

# WOLVERINE COATINGS CORPORATION

## CHEMSHEILD 1606-20 (CS 1606) (Formerly CS0606) PRODUCT DATA BULLETIN

**Description:** CS 1606 is a high solids, fast curing, proprietary formulated novolac-based advanced hybrid cycloaliphatic lining designed for corrosion control in chemical plants, and any other areas requiring excellent chemical resistance in immersion conditions. CS 1606 can be applied in either a one coat application (up to 15 mils DFT) or a multiple coat application (to achieve a thickness up to 20 mils DFT). CS 1606 can be used to resist a wide range of chemicals, temperatures, and pressures. CS 1606 is a two-component system; Base and Hardener.

**Typical Uses:**

- \* Steel and fiberglass storage tank internals or pipelines
- \* High temperature tanks and process vessels
- \* Caustic Railcar service
- \* Chemical process floors and concrete containment areas
- \* Pulp and Paper Services (Excellent resistance to chlorine)

**Benefits:**

- \* Superior wide range chemical resistance
- \* High solids
- \* Flexible to reduce coating stress caused by "oil canning" effects
- \* High-build, easy to install monolithic application process (5-20 mils DFT)
- \* Excellent adhesion to steel, concrete and fiberglass substrates
- \* Does not require baking

**Chemical Resistance:** Summarized; for a more comprehensive list of chemical resistance, please refer to our Product Resistance Data Guide. Films cured for 7 (seven) days at 77°F are unaffected after 1 (one) year immersion at ambient temperatures.

Benzene	Gasoline, aviation	Mineral Oil
Crude Oil, sweet or sour	Gasoline, with 15% MTBE or TBA	Naphtha
Diesel Fuel	Hydraulic Oil	Skydrol 500B
Fuel Oil	Jet Fuel, all grades	Water, distilled
Gasoline, all grades	Kerosene	Xylene

### Technical Data:

Weight, lbs/gal.....	11.52 +/- 0.5
Recommended Thickness, mils DFT.....	5-20
Theoretical Coverage, mil sq.ft./gal.....	1203
VOC Content (mixed), g/l.....	<220
Flash Point (mixed), °F.....	<100
Pot Life, minutes @ 70°F.....	3 hours
Shore D Hardness, min.....	70
Color.....	Tan

### Coverage to Achieve Dry Film Thickness, sq.ft./gal.

(Actual - allows for approximate loss of 10%)

@ 6 mils.....	201
@ 15 mils.....	80

### Drying Time (@ 77°F and 50% relative humidity)

To Touch: .....	5 hours
To Handle: .....	17 hours
To Recoat: .....	overnight
Maximum Recoat: .....	2 days

### Cure Time\* to Achieve a Minimum Shore D Hardness of 75 (@ 77°F and 50% relative humidity)

For Immersion Service: .....3 days with ventilation

# PRODUCT DATA BULLETIN (CHEM SHEILD™ 1606)

\* Force curing is required for low temperature applications to expedite curing process.

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## Packaging and Shipping Information:

All Wolverine Coatings Corporation “Chem Sheild™” products are packaged as two-component units consisting of a 5 (five) gallon slack-filled pail of resin and a 2 (two) gallon slack-filled pail of hardener. The combined mixture equals approximately 4 (four) gallons. Some products are also available in 55 gallon drums.

**DOT Class (resin) - Not regulated**

**DOT Class (hardener) - Caustic Alkali Liquid, Corrosive, DOT Number UN 1719**

**All shipments are freight collect, F.O.B. Spartanburg, South Carolina 29303.**

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## General Safety Guidelines:

Wolverine Coatings Corporation products are for industrial use only and installed only by qualified coating and lining contractors. Store in a cool, dry area away from direct sunlight, sources of ignition and other hazards. Personnel shall wear protective clothing and eye-wear, solvent-resistant gloves and OSHA approved respiratory equipment. Avoid contact with eyes and skin; do not ingest or inhale; in some cases may cause skin irritation and allergic reactions. Refer to product Material Safety Data Sheets (MSDS) for information regarding emergency and first aid procedures, health effects, reactivity data and other special precautions. All work shall be performed in accordance with current OSHA regulations.

The information contained herein is to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no warranty of results and assume no liability for any damages incurred by the use of this product. Our products are sold on the condition that the user evaluate them, as well as our recommendations, to determine the suitability for a particular purpose. The user is solely responsible for the selection of Wolverine Coatings Corporation products.